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ATTORNEY DOCKET NUMBER: HITA.0483

THE COMMISSIONER OF PATENTS AND TRADEMARKS WASHINGTON, D.C. 20231

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Transmitted herewith for filing is the Utility patent application of:

INVENTOR: MASATAKA SHIRAI AND TOSHIKI SUGAWARA

FOR:

CHEMICAL SUBSTANCE MEASURING APPARATUS USING OPTICAL WAVEGUIDES

Enclosed are:

- 12 sheets of □ formal □ informal drawings.
- ☑ Transmittal of Japanese application 2003-148870 to claim priority date of May 27, 2003.
- M An Information Disclosure Statement
- ☑ An assignment executed by inventors to Hitachi, Ltd.
- ☑ The filing fee is calculated as shown below:

For	Number Filed		Number Extra	RATE	Calculations
TOTAL CLAIMS	20	-20		x\$18 =	0.00
INDEPENDENT CLAIMS	3	-3		x\$86 =	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$290 =					
			BASIC FEE		\$770.00
		· .	TOTAL OF ABOVE		770.00
REDUCTION BY ½ FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED					
TOTAL					770.00

- A check in the amount of \$810.00 to cover the filing fee and assignment fee is enclosed.
- The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

Stanley P. Fisher

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REED SMITH LLP

3110 Fairview Park Drive Suite 1400 Falls Church, Virginia 22042 (703) 641-4200 January 6, 2004 31355 U.S. PTO 10/751489